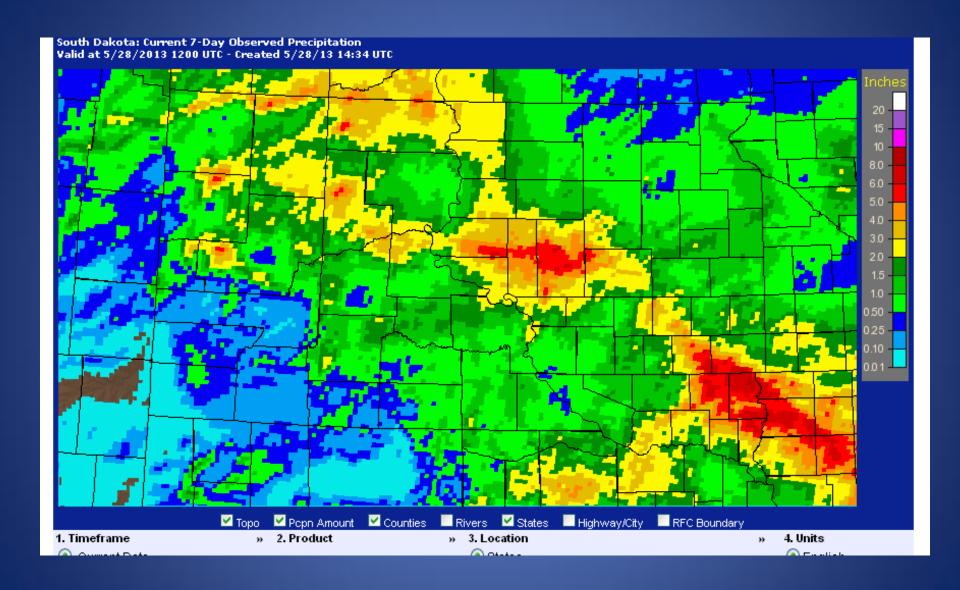
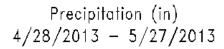
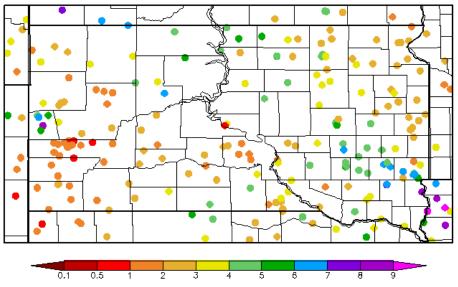
South Dakota Drought Update 28 May 2013

Dr. Dennis Todey
South Dakota State Climatologist
SDSU Extension/AES/ABE





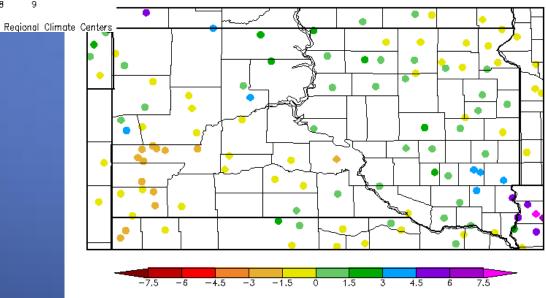




Departure from Normal Precipitation (in) 4/28/2013 - 5/27/2013

Generated 5/28/2013 at HPRCC using provisional data.

Good precipitation last 30 days – some areas still below average

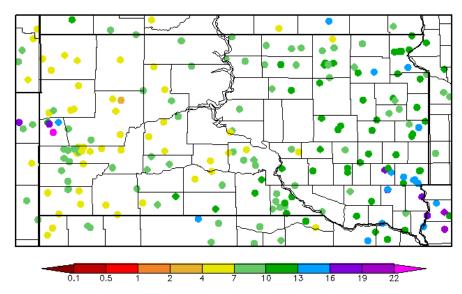


Climate and Weather

Generated 5/28/2013 at HPRCC using provisional data.

Regional Climate Centers

Precipitation (in) 10/1/2012 - 5/27/2013

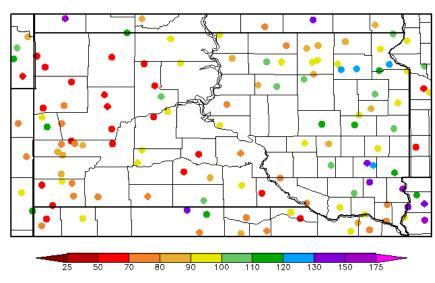


Generated 5/28/2013 at HPRCC using provisional data.

Regional Climate Cente

Large deficits since last fall

Percent of Normal Precipitation (%) 10/1/2012 - 5/27/2013



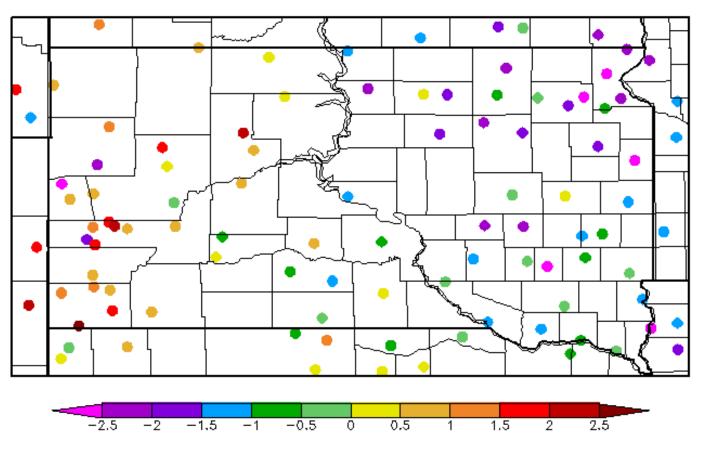
Generated 5/28/2013 at HPRCC using provisional data.

Regional Climate Centers



http://www.hprcc.unl.edu/maps/current/

Departure from Normal Temperature (F) 4/28/2013 - 5/27/2013

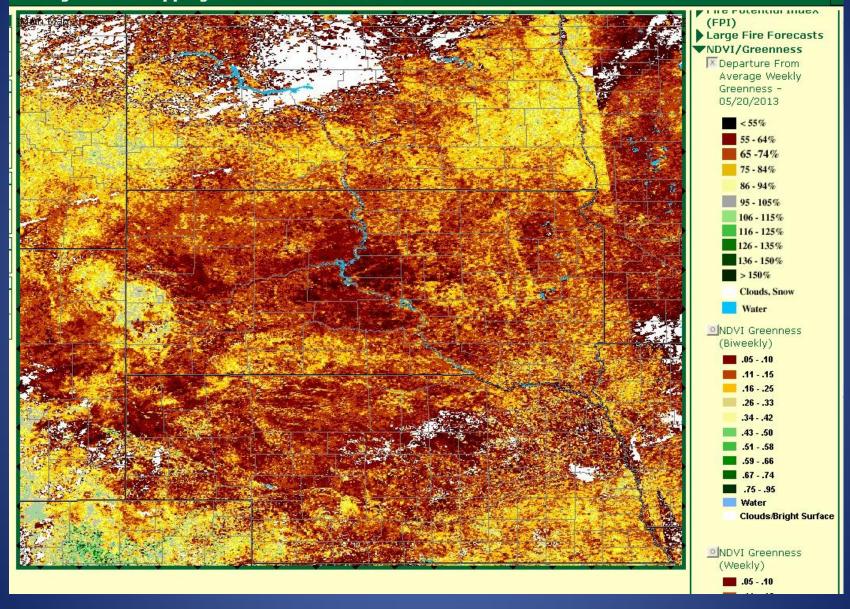


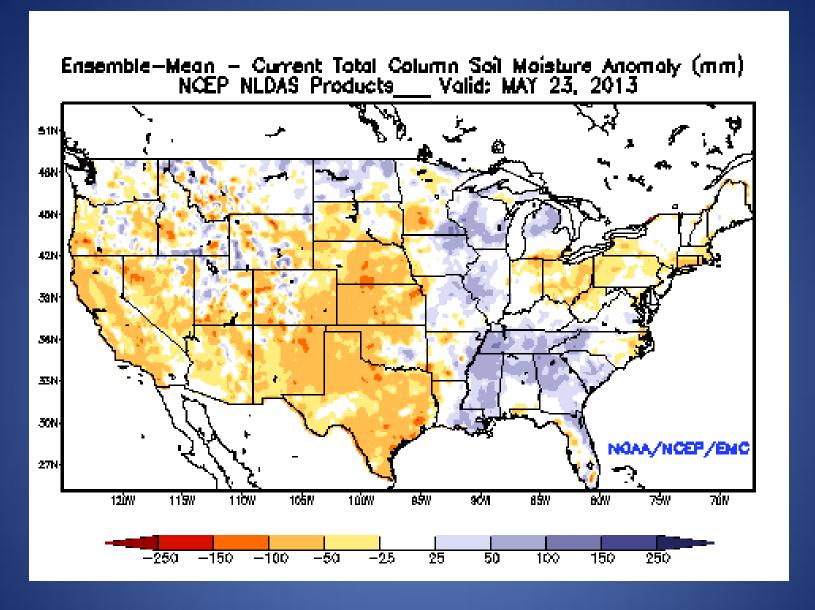
Generated 5/28/2013 at HPRCC using provisional data.

Regional Climate Centers



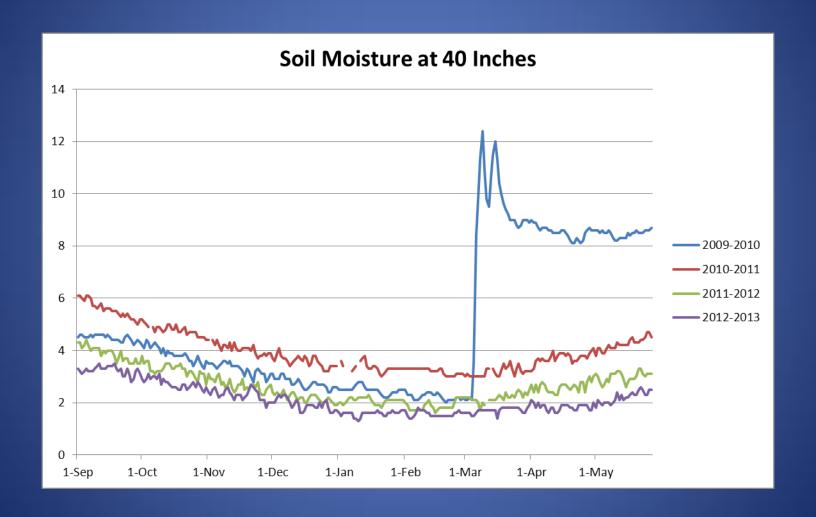
ted Vegetation Mapping Viewer - Interactive Data Viewer





Comments from extension people saying near-surface is pretty good. Deeper profile moisture largely lacking.

Cottonwood 40" Soil Moisture



May 21, 2013 U.S. Drought Monitor Intensity: Drought Impact Types: D0 Abnormally Dry Delineates dominant impacts D1 Drought - Moderate S = Short-Term, typically <6 months

D4 Drought - Exceptional L = Long-Term, typically >6 months (e.g. hydrology, ecology)

(e.g. agriculture, grasslands)

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

http://droughtmonitor.unl.edu/

D2 Drought - Severe

D3 Drought - Extreme









Released Thursday, May 23, 2013 Author: Brad Rippey, U.S. Department of Agriculture



U.S. Drought Monitor

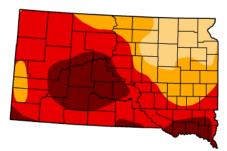
April 2, 2013

Valid 7 a.m. EST

South Dakota

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	86.29	66.49	20.86
Last Week (03/26/2013 map)	0.00	100.00	100.00	86.29	65.78	20.86
3 Months Ago (01/01/2013 map)	0.00	100.00	100.00	96.95	63.17	30.68
Start of Calendar Year (01/01/2013 map)	0.00	100.00	100.00	96.95	63.17	30.68
Start of Water Year (09/25/2012 map)	0.00	100.00	100.00	74.69	50.53	6.72
One Year Ago (03/27/2012 map)	23.87	76.13	29.44	1.96	0.00	0.00



Intensity:





D4 Drought - Exceptional D2 Drought - Severe

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

http://droughtmonitor.unl.edu





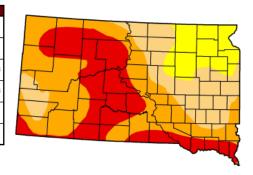
National Drou

U.S. Drought Monitor

South Dakota

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	87.74	66.01	29.03	0.00
Last Week (04/16/2013 map)	0.00	100.00	87.71	69.08	32.92	0.00
3 Months Ago (01/22/2013 map)	0.00	100.00	100.00	96.93	62.99	30.68
Start of Calendar Year (01/01/2013 map)	0.00	100.00	100.00	96.95	63.17	30.68
Start of Water Year (09/25/2012 map)	0.00	100.00	100.00	74.69	50.53	6.72
One Year Ago (04/17/2012 map)	32.56	67.44	27.22	0.00	0.00	0.00



April 23, 2013

Valid 7 a.m. EST

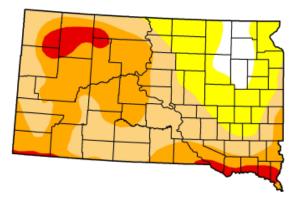
Intensity:

U.S. Drought Monitor May 21, 2013 Valid 7 a.m. EST

South Dakota

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	5.38	94.62	73.90	39.00	5.86	0.00
Last Week (05/14/2013 map)	0.00	100.00	82.39	65.25	21.13	0.00
3 Months Ago (02/19/2013 map)	0.00	100.00	100.00	86.77	63.23	29.58
Start of Calendar Year (01/01/2013 map)	0.00	100.00	100.00	96.95	63.17	30.68
Start of Water Year (09/25/2012 map)	0.00	100.00	100.00	74.69	50.53	6.72
One Year Ago (05/15/2012 map)	75.13	24.87	2.16	0.00	0.00	0.00



Intensity:



D3 Drought - Extreme D4 Drought - Exceptional

D1 Drought - Moderate D2 Drought - Severe

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

http://droughtmonitor.unl.edu



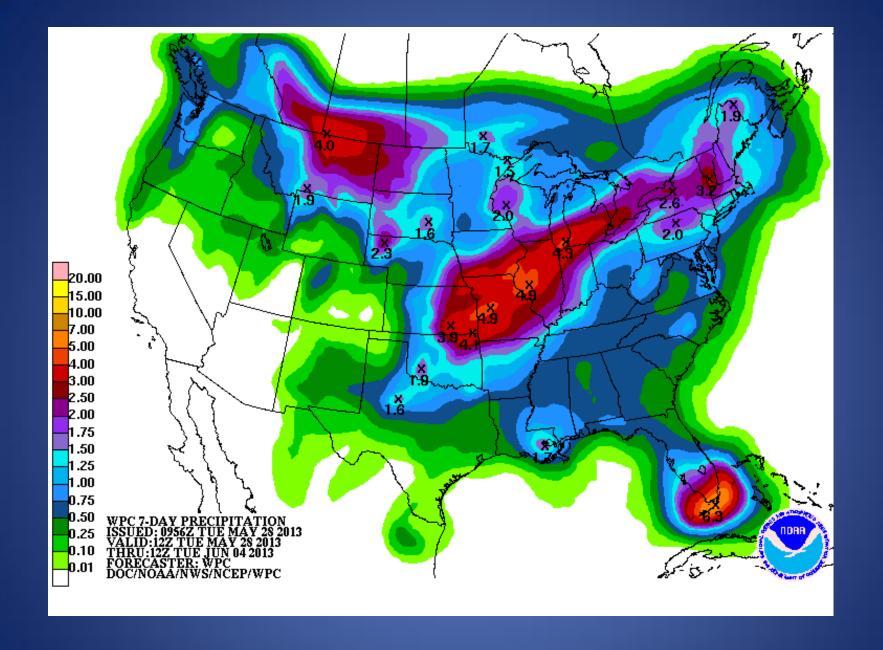




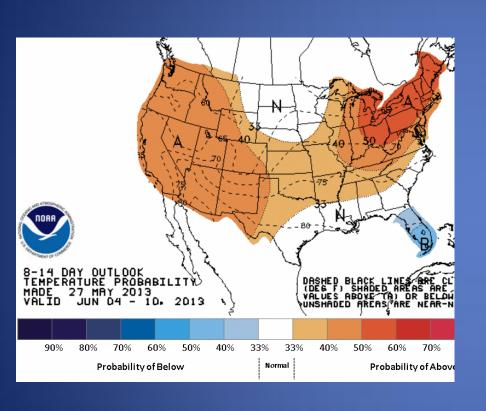


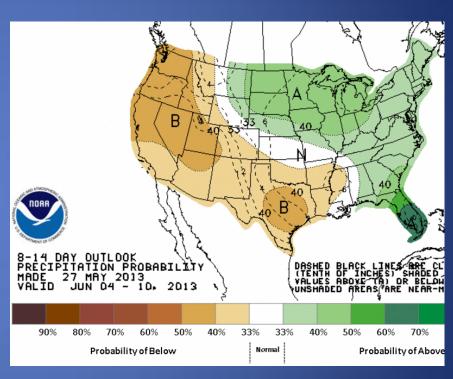
Released Thursday, May 23, 2013 Brad Rippey, U.S. Department of Agriculture





8-14 Day Outlook



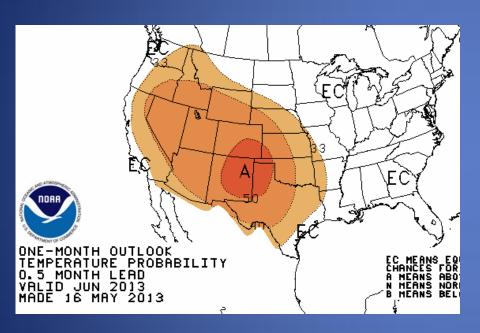


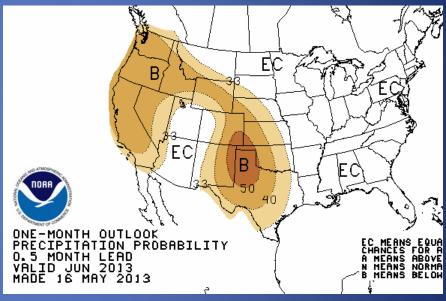
Temperature

Precipitation

http://www.cpc.ncep.noaa.gov/

June Temperature and Precipitation Probabilities



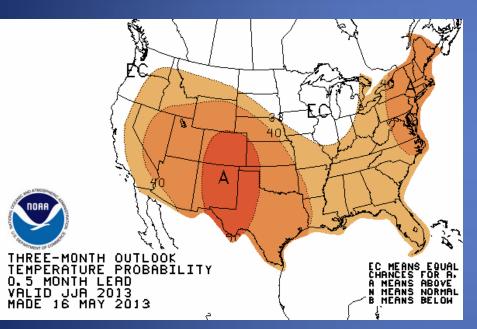


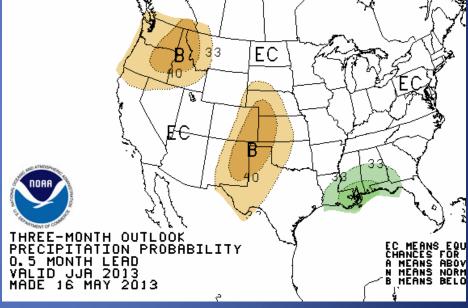
Temperature

Precipitation

3 Month Temperature and Precipitation Probabilities

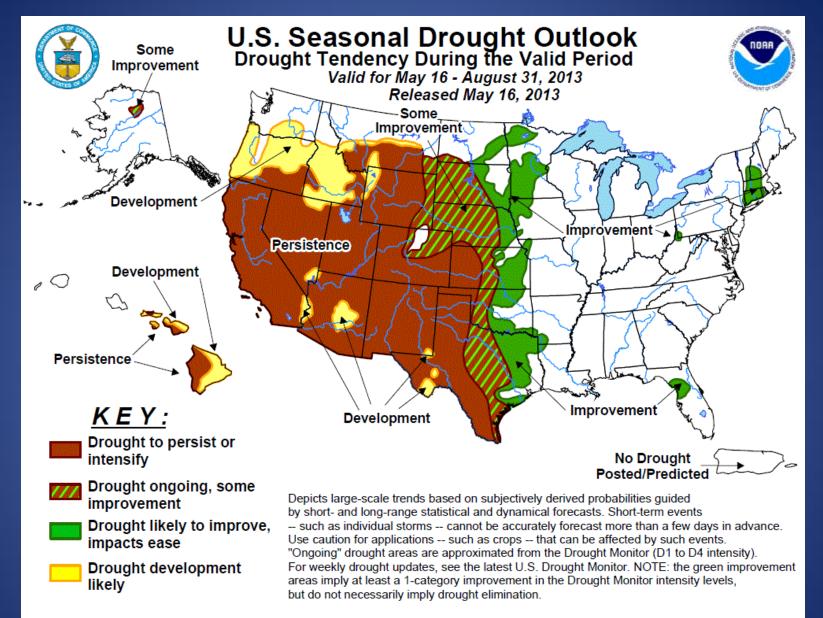
(June - August)





Temperature

Precipitation





Issues

- Fire less significant for a while
- Flood southeast flash flooding more possible with additional rain
- Precipitation Continued wet (not quite as heavy rain)
- Temperature nearer average
- Outlook still needing improvement west river